

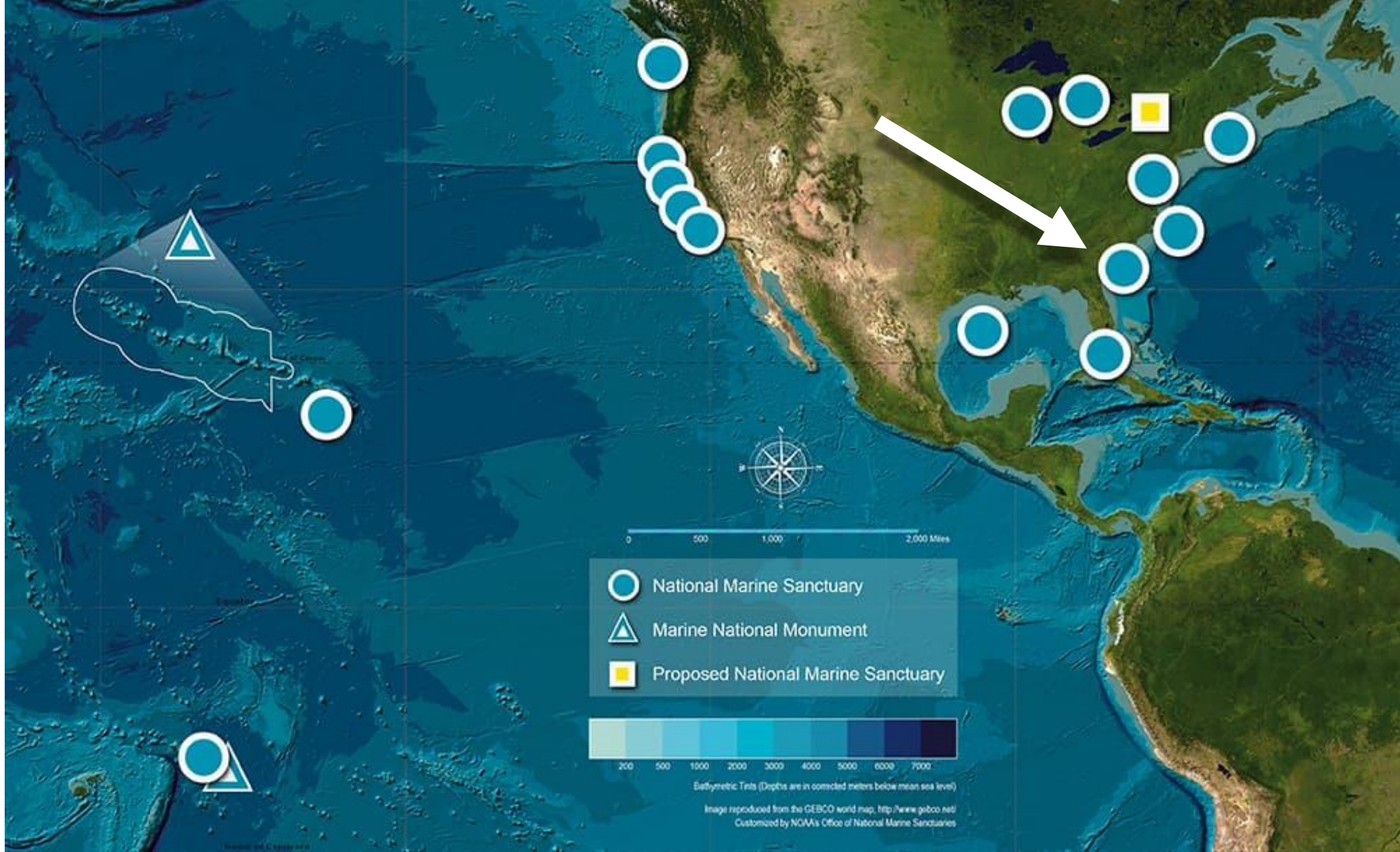
The resilience of *Oculina arbuscula* to Ocean Acidification and how it relates to Georgia rivers

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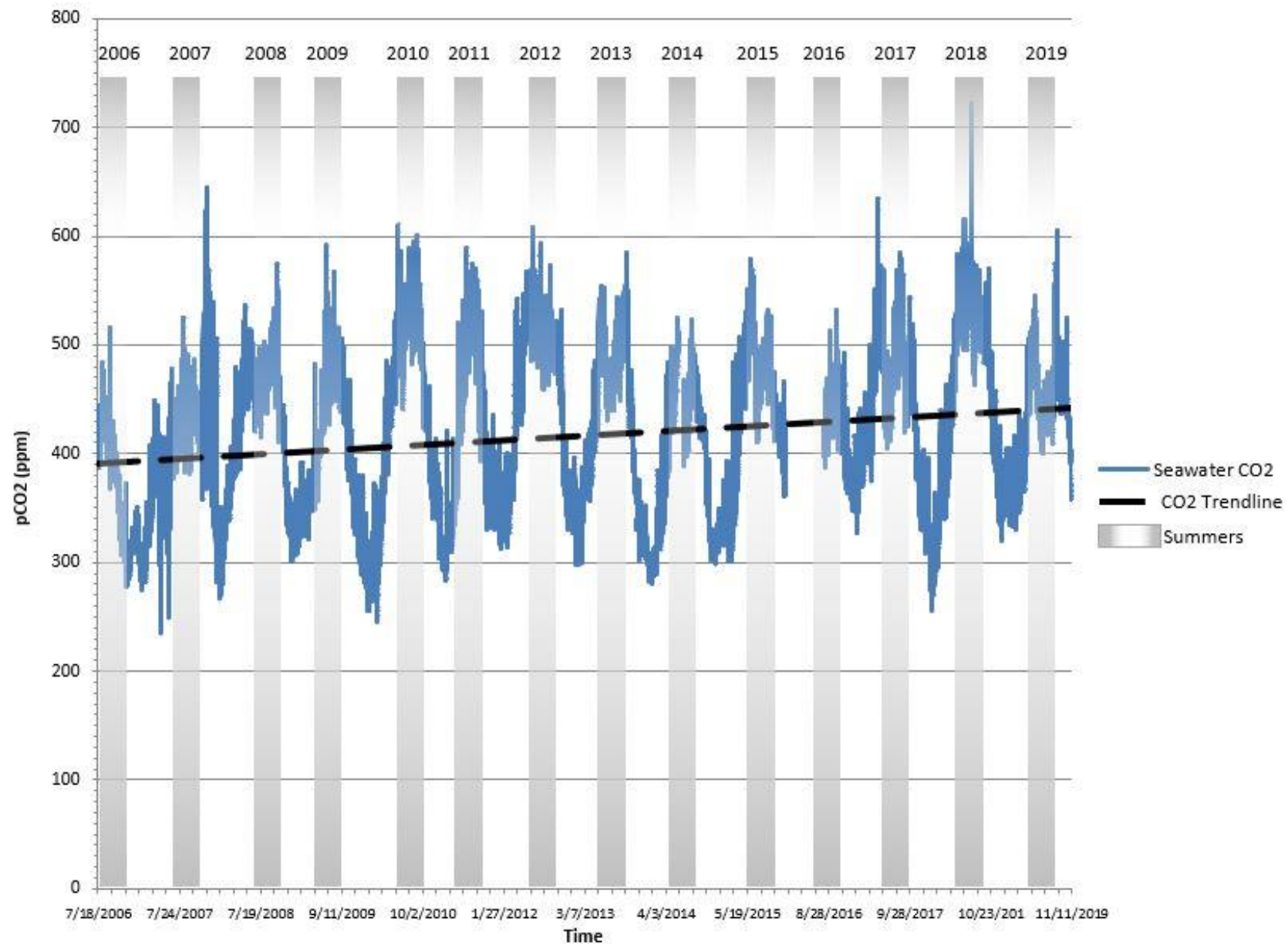






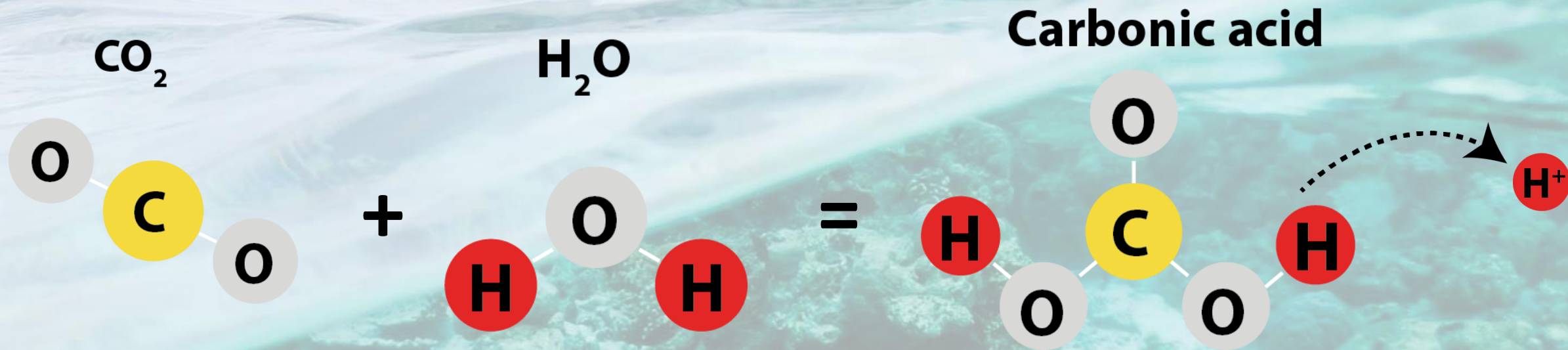




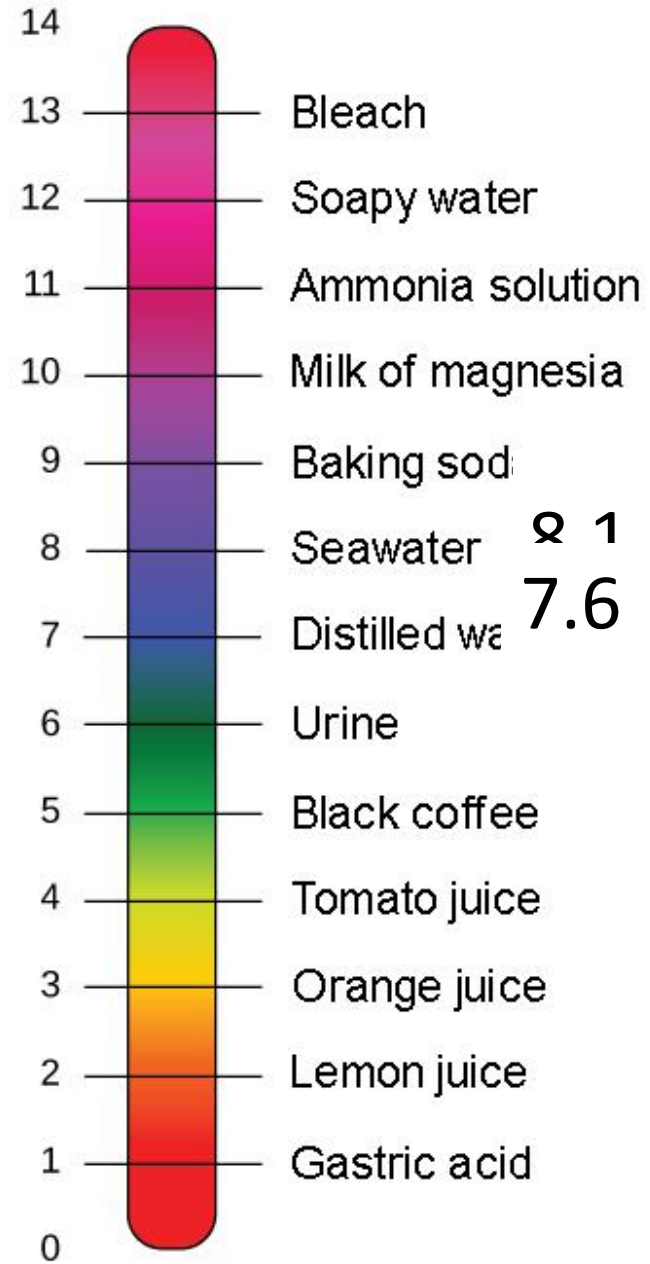


Noakes S. Carbon dioxide and water quality monitoring in Gray's Reef National Marine Sanctuary, 2006-2019.

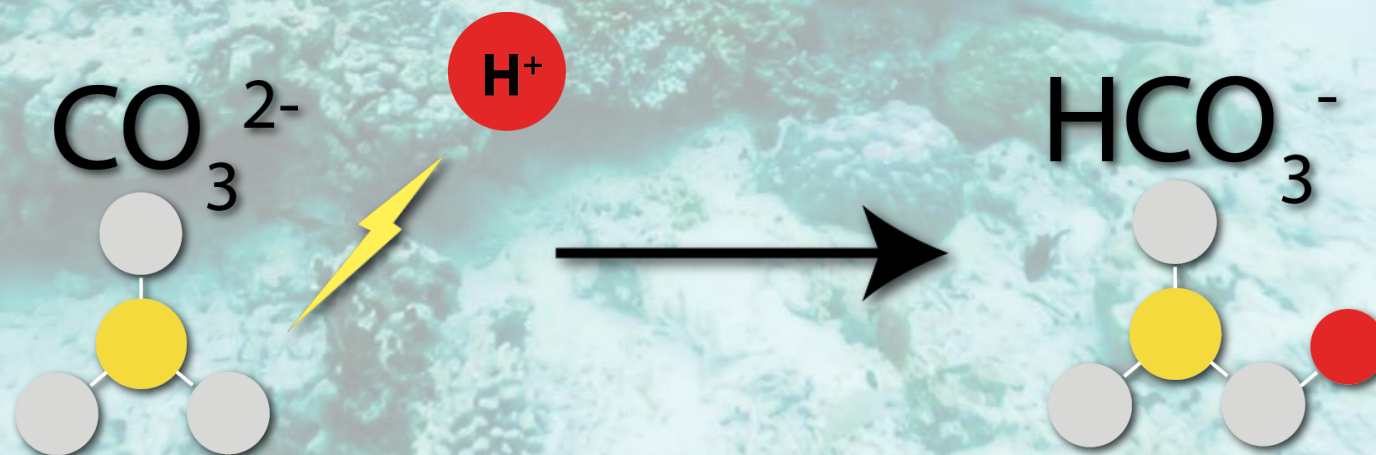
Ocean Acidification



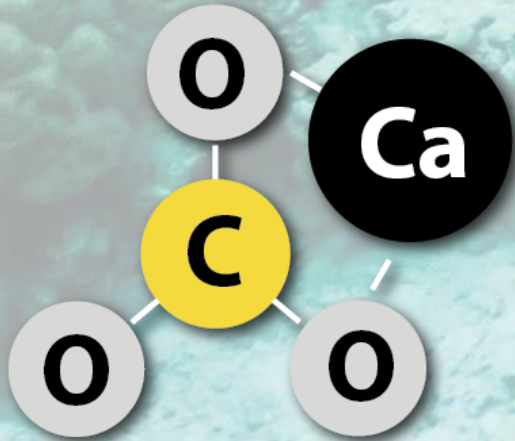
Past, Present and Future



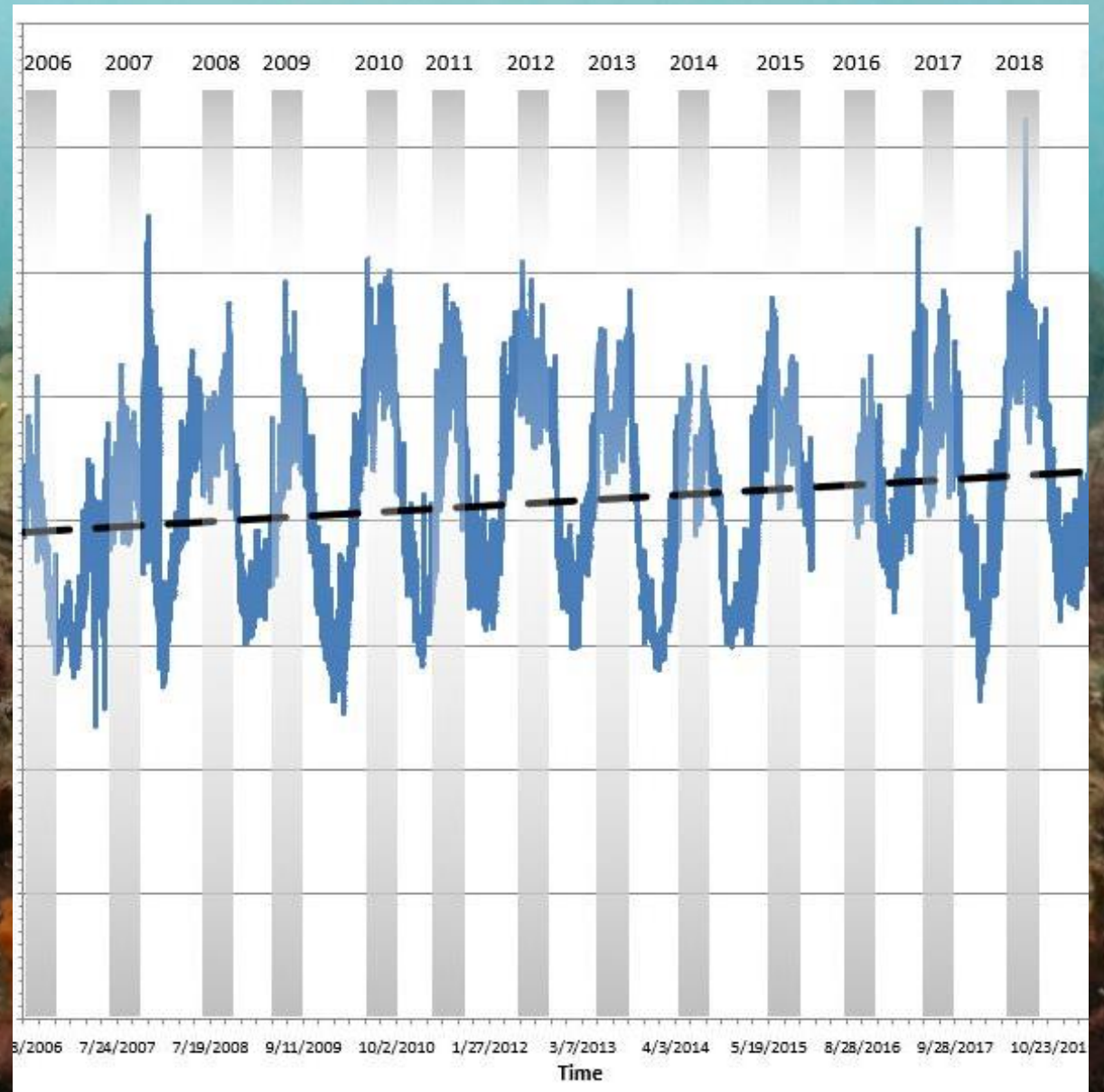
2020 1760 *Industrial Revolution
2100



Calcifying organisms



- ✓ Phytoplankton
- ✓ Zooplankton
- ✓ Oysters
- ✓ Corals

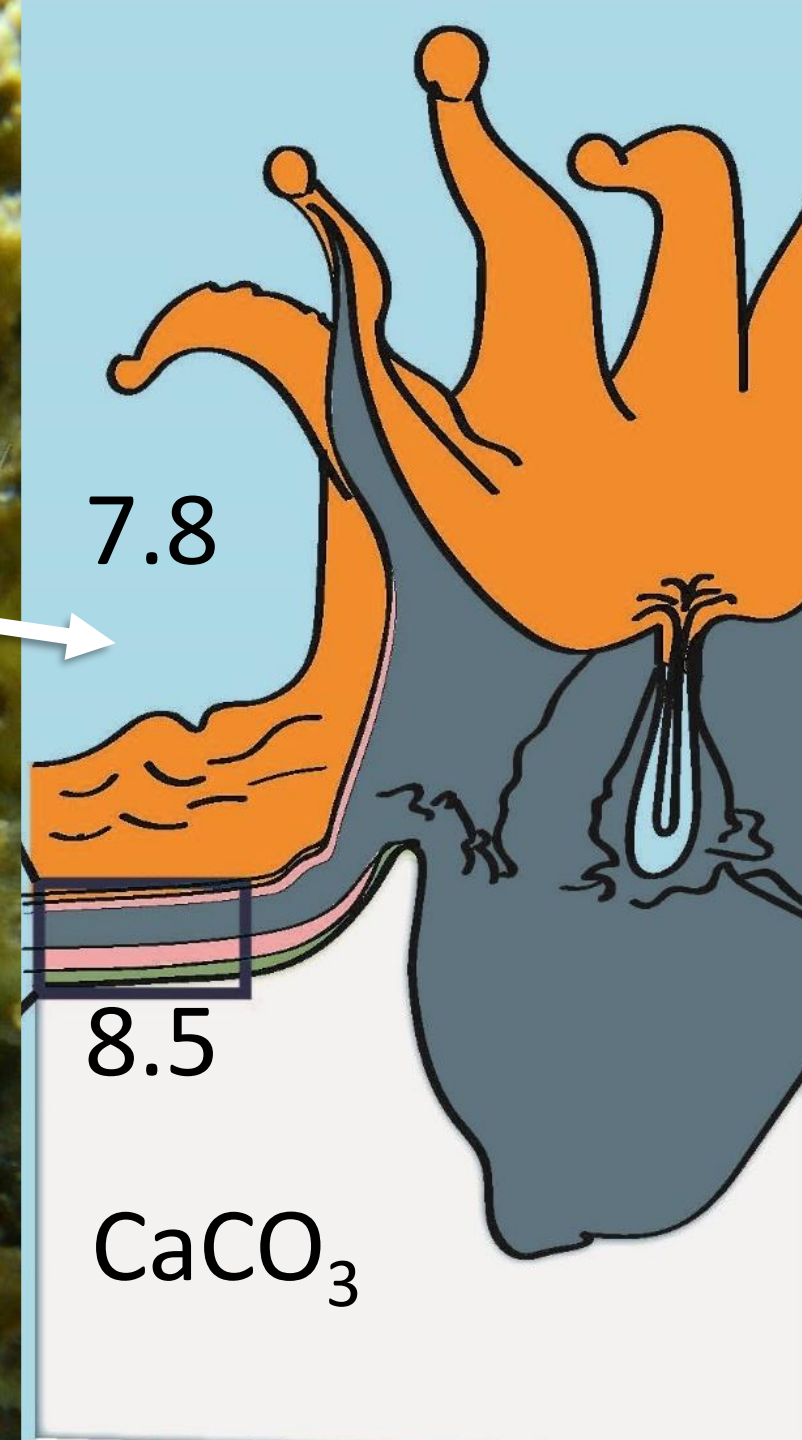




Oculina arbuscula

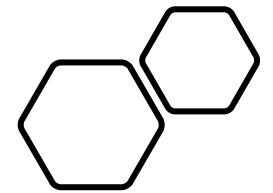
- ✓ Acclimated to seasonal variations
- ✓ Resistant to changes in growth rates

□ How?





How do they react with multiple stressors?



How do Rivers Relate?

- ☐ Terrestrial organic matter
- ☐ Pollution
- ☐ Eutrophication
- ☐ Temperature
- ☐ Turbidity
- ☐ ...



Questions?

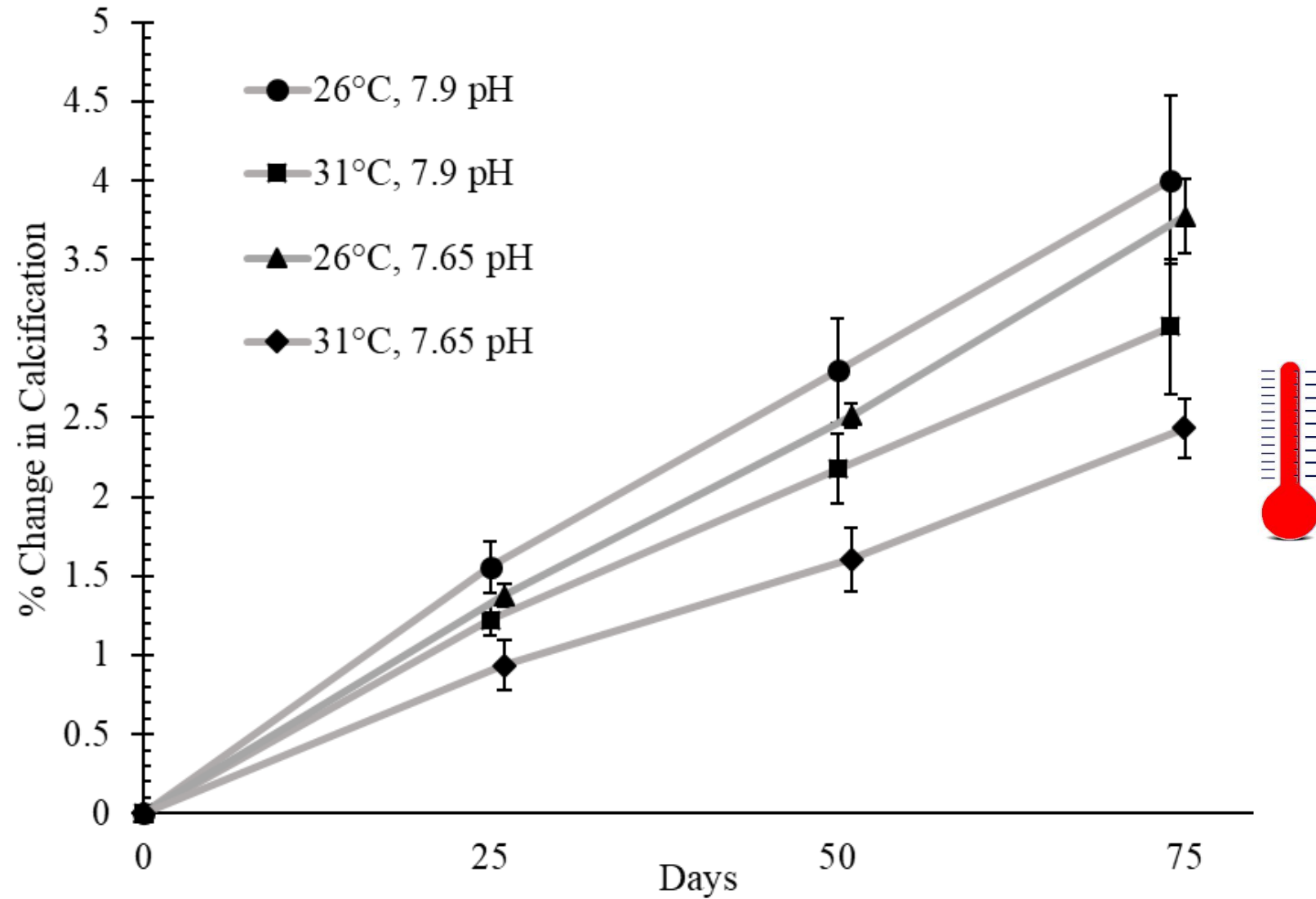


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Seawater: pH 8.1

